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KONINKLUKE PHILIPS ELECTRONICS N.V.
[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven
(NL).(71) Applicant (for DE only): **PHILIPS INTELLECTUAL
PROPERTY & STANDARDS GMBH** [DE/DE]; Stein-
damm 94, 20099 Hamburg (DE).

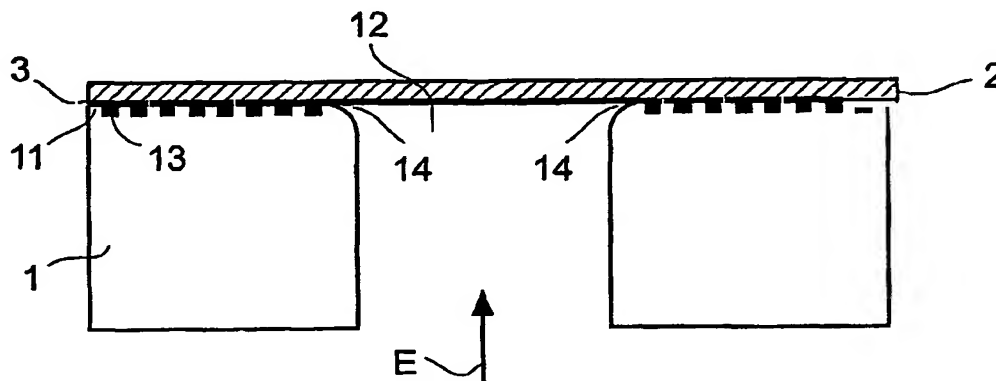
(72) Inventors; and

(75) Inventors/Applicants (for US only): **FLISIKOWSKI,**
Peter [DE/NL]; c/o Prof. Holstlaan 6, NL-5656 AA
Eindhoven (NL). **MEYS, Joachim** [DE/DE]; c/o Prof.
Holstlaan 6, NL-5656 AA Eindhoven (NL). **LESMEIS-**
TER, Werner [DE/DE]; c/o Prof. Holstlaan 6, NL-5656
AA Eindhoven (NL). **DAVID, Bernd, R.** [DE/DE];c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
BACHMANN, Peter, K. [DE/DE]; c/o Prof. Holstlaan 6,
NL-5656 AA Eindhoven (NL).(74) Agent: **WOLFS, Marc, J., M.**; Prof. Holstlaan 6,
NL-5656 AA Eindhoven (NL).(81) Designated States (unless otherwise indicated, for every
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(54) Title: METHOD OF MANUFACTURING A WINDOW TRANSPARENT FOR ELECTRONS OF AN ELECTRON BEAM,
IN PARTICULAR OF AN X-RAY SOURCE

(57) Abstract: The present invention relates to a method of manufacturing a window transparent for electrons of an electron beam (E), in particular of an X-ray source. In order to enable a less costly and elaborate manufacture of such a window and in order to prevent unwanted sharp edges in a window area which may damage the window foil (2), a method is proposed comprising the steps of: -providing on a surface (11) of a carrier element (1) to which a window foil (2) shall be fixed a receiving area (13, 16) for receiving a soldering material (3) used for fixing said window foil (2) to said carrier element (1), said carrier element (1) comprising a through hole (12) for the transmission of said electrons (E), -covering said surface (11) having said receiving area (13, 16) with a soldering material (3) such that substantially only said receiving area (13, 16) is filled with soldering material (3), -placing said window foil (2) on top of said surface (1) and -heating said soldering material (3) for fixing said window foil (2) to said surface (11).

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